Figure 1

Conventional method
(with heat-denaturing treatment)

Novel method
(without heat-denaturing treatment,
water-dissolved)

Concentration

5 μg/μl

BSA

Lower
marker

upper
marker

A

K

2 μg/μl

B

L

1 μg/μl

C

M

0.5 μg/μl

D

N

0.2 μg/μl

E

Fluorescence

Figure 2

Figure 2 continued

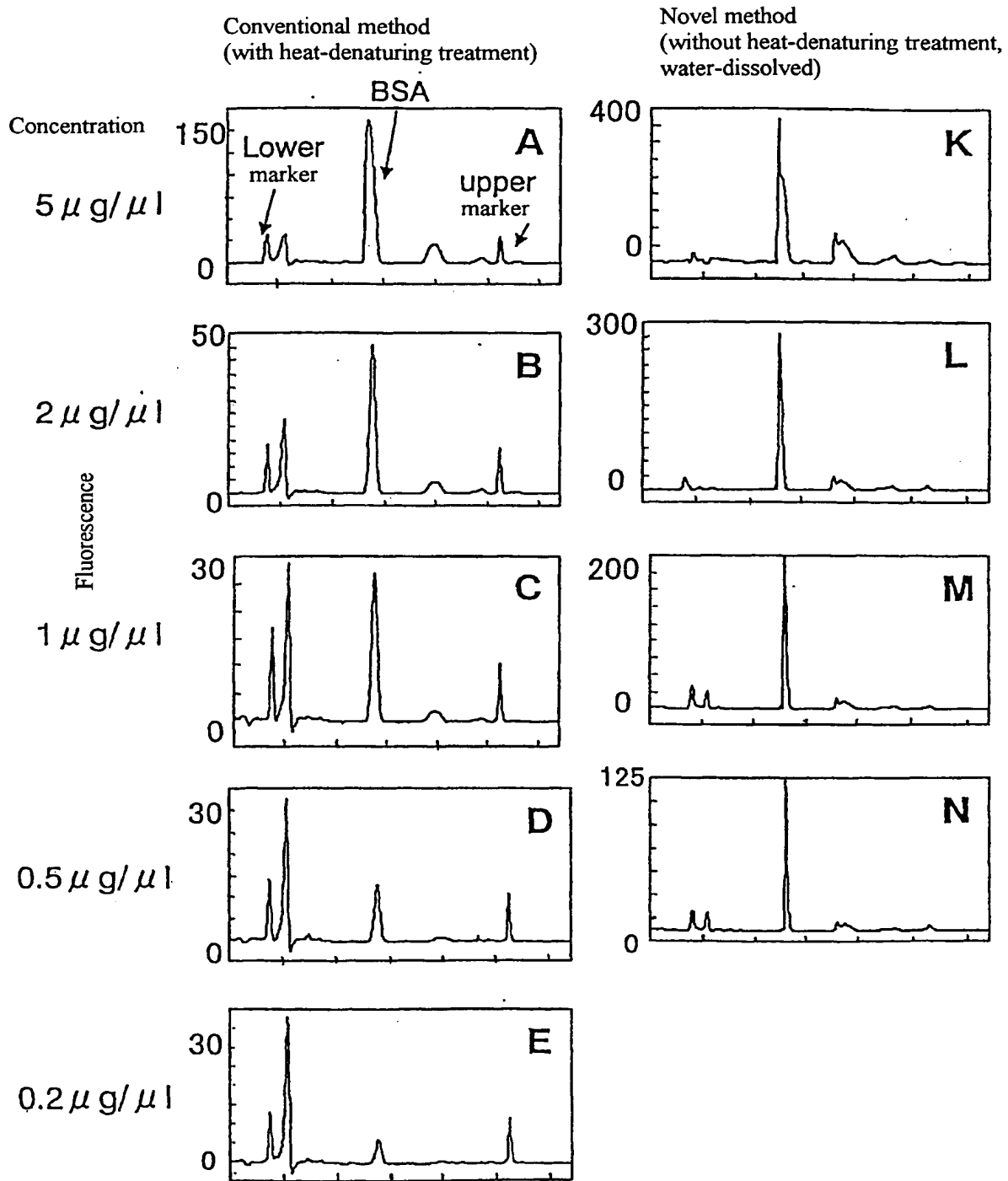Conventional method (with reaction) Reproducibility

Concentration
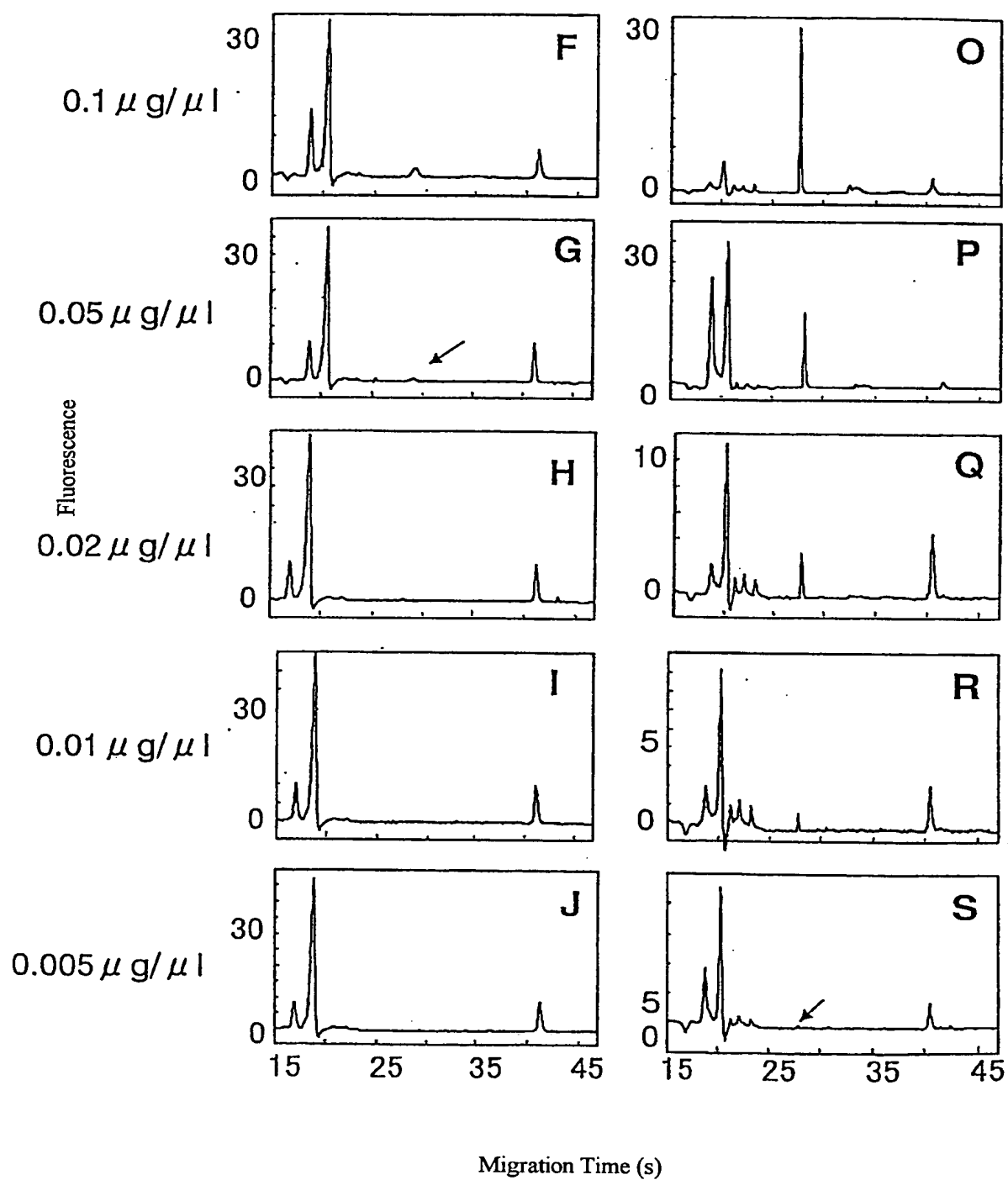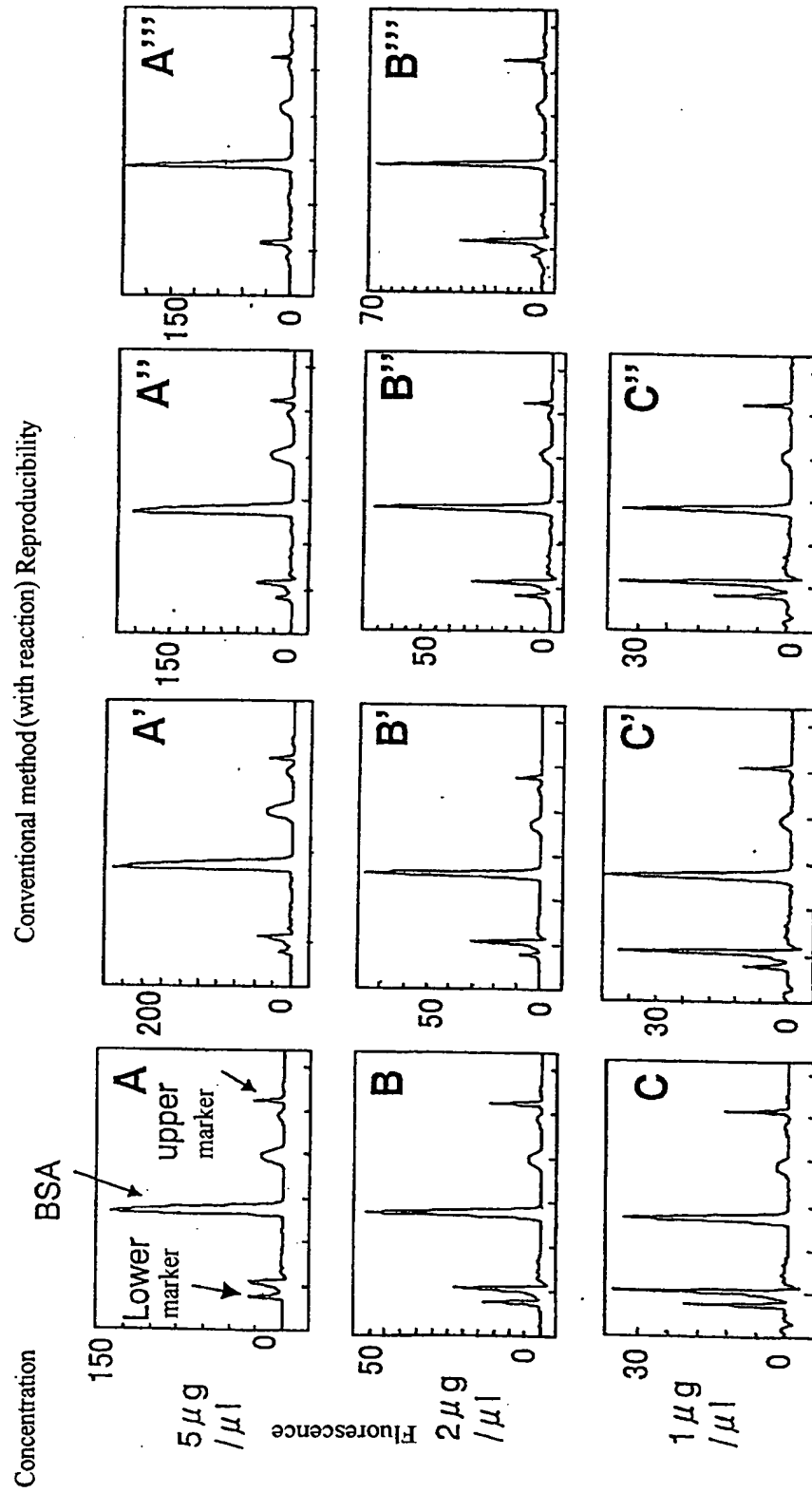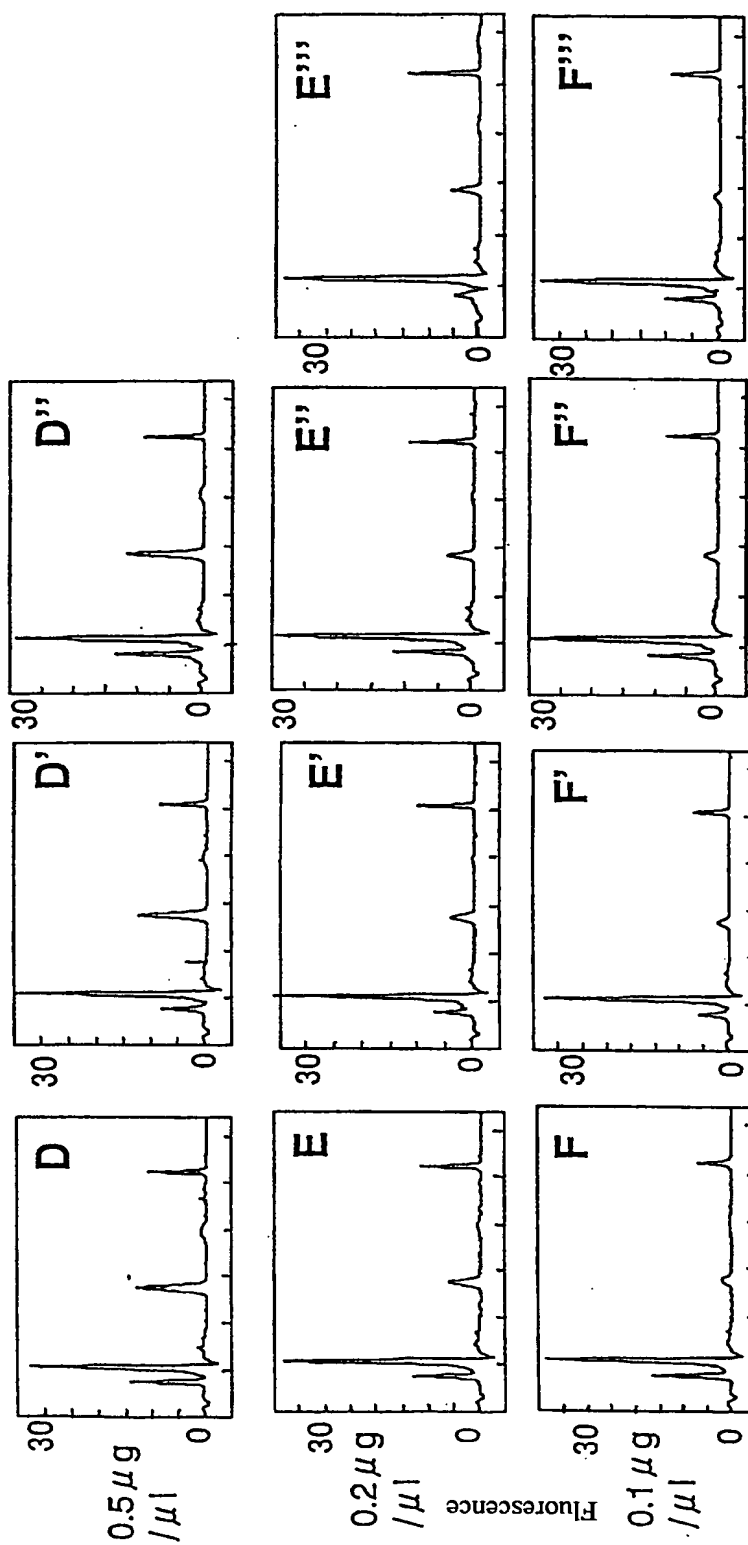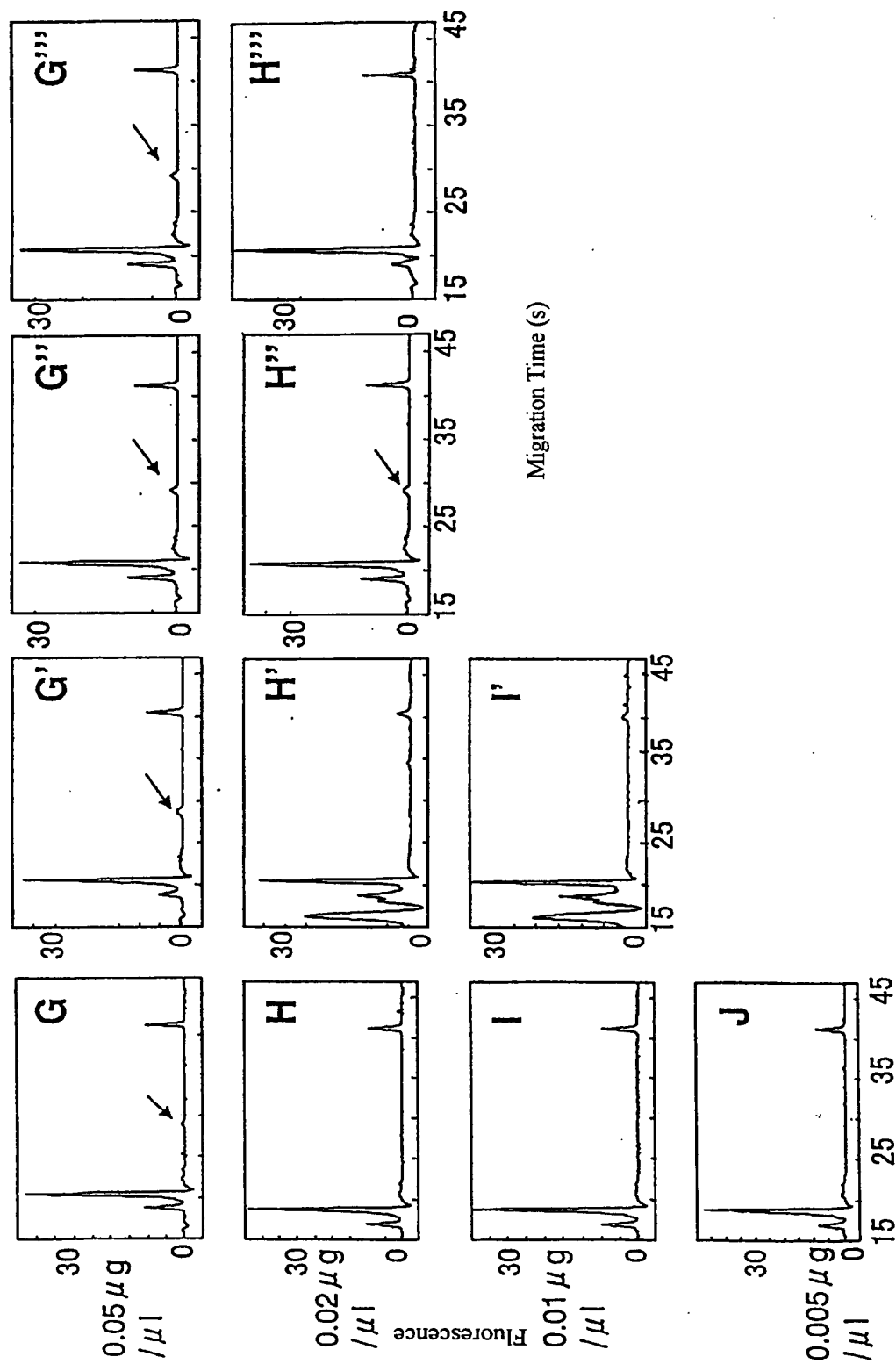
Figure 3

Figure 3 continued

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Figure 3 continued
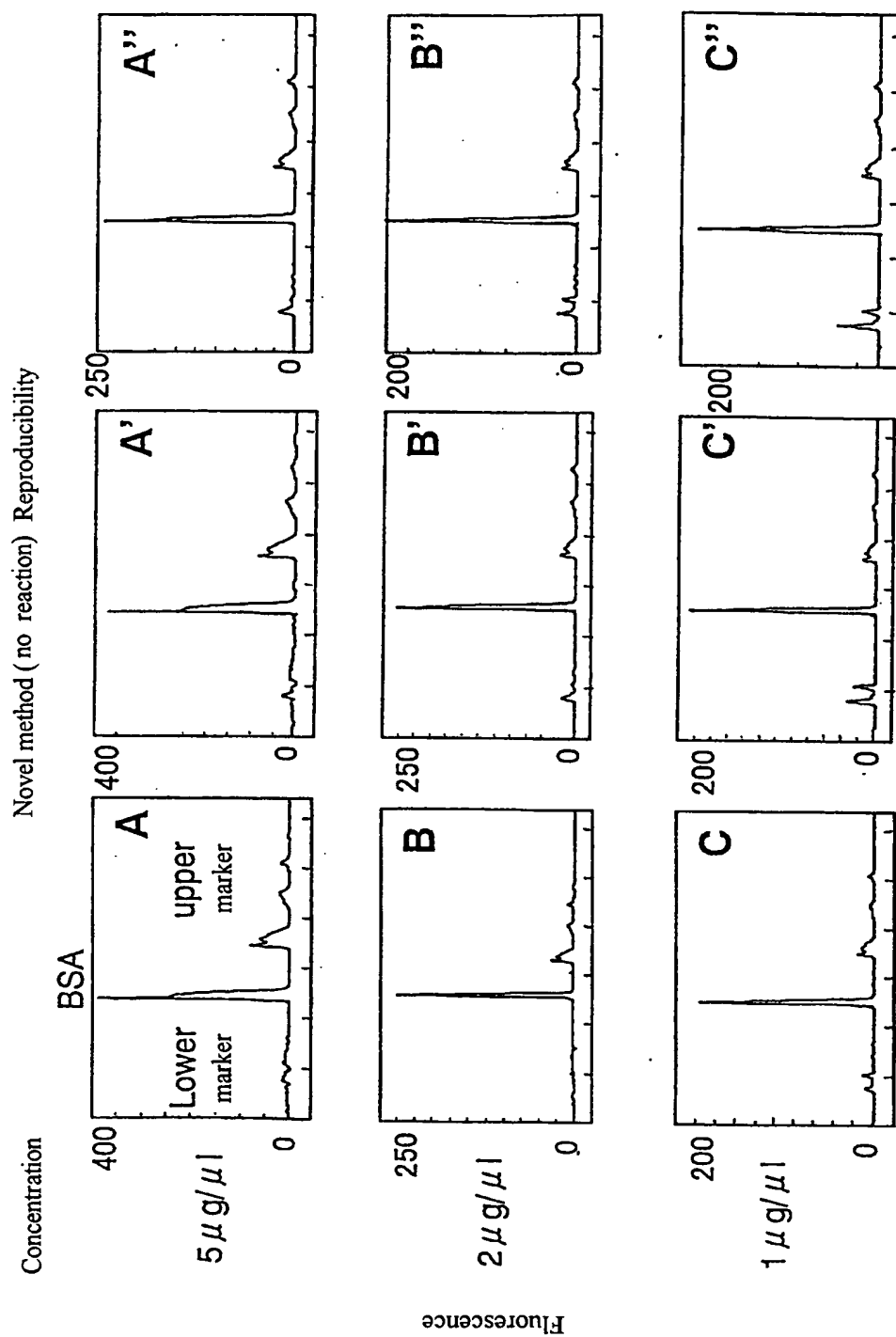
Figure 4

Figure 4 continued

Figure 4 continued

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Concentration

0.5 μg/μl

0.05 μg/μl

Lower
marker

0.01 μg/μl

BSA

upper
marker

A

0.005 μg/μl

B

0.001 μg/μl

C

0.0005 μg/μl

0.0001 μg/μl

Fluorescence

D

E

F

G

H

I
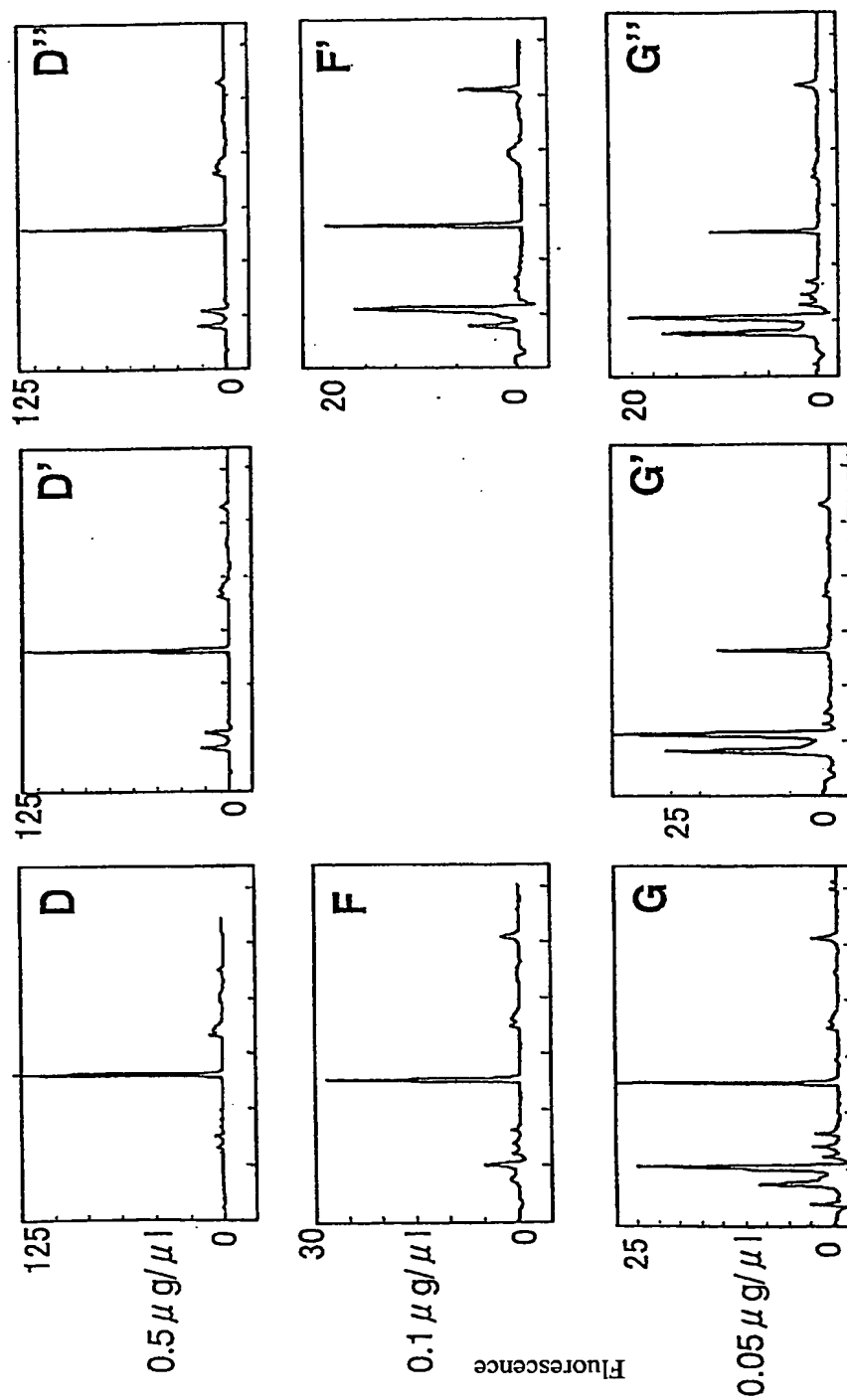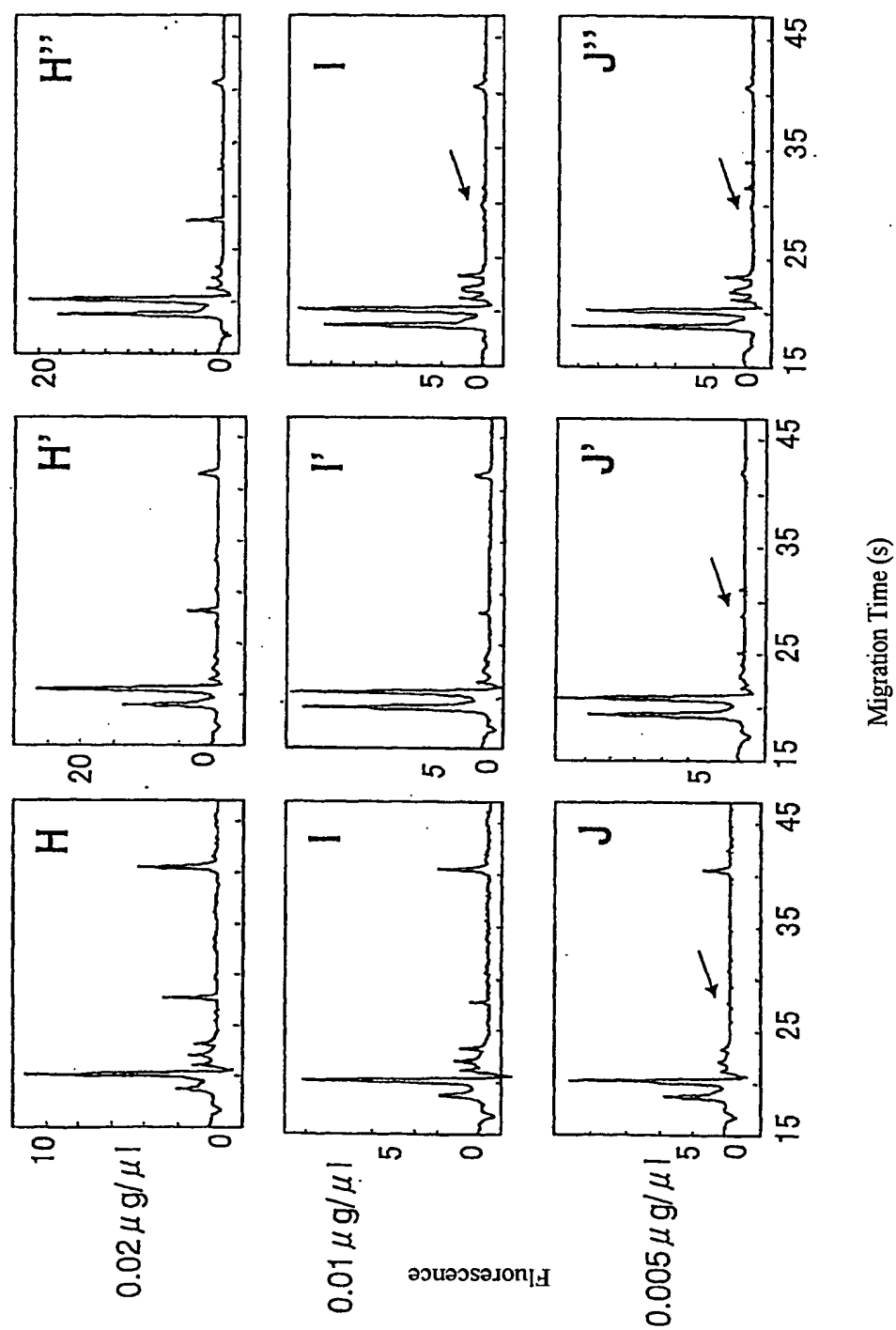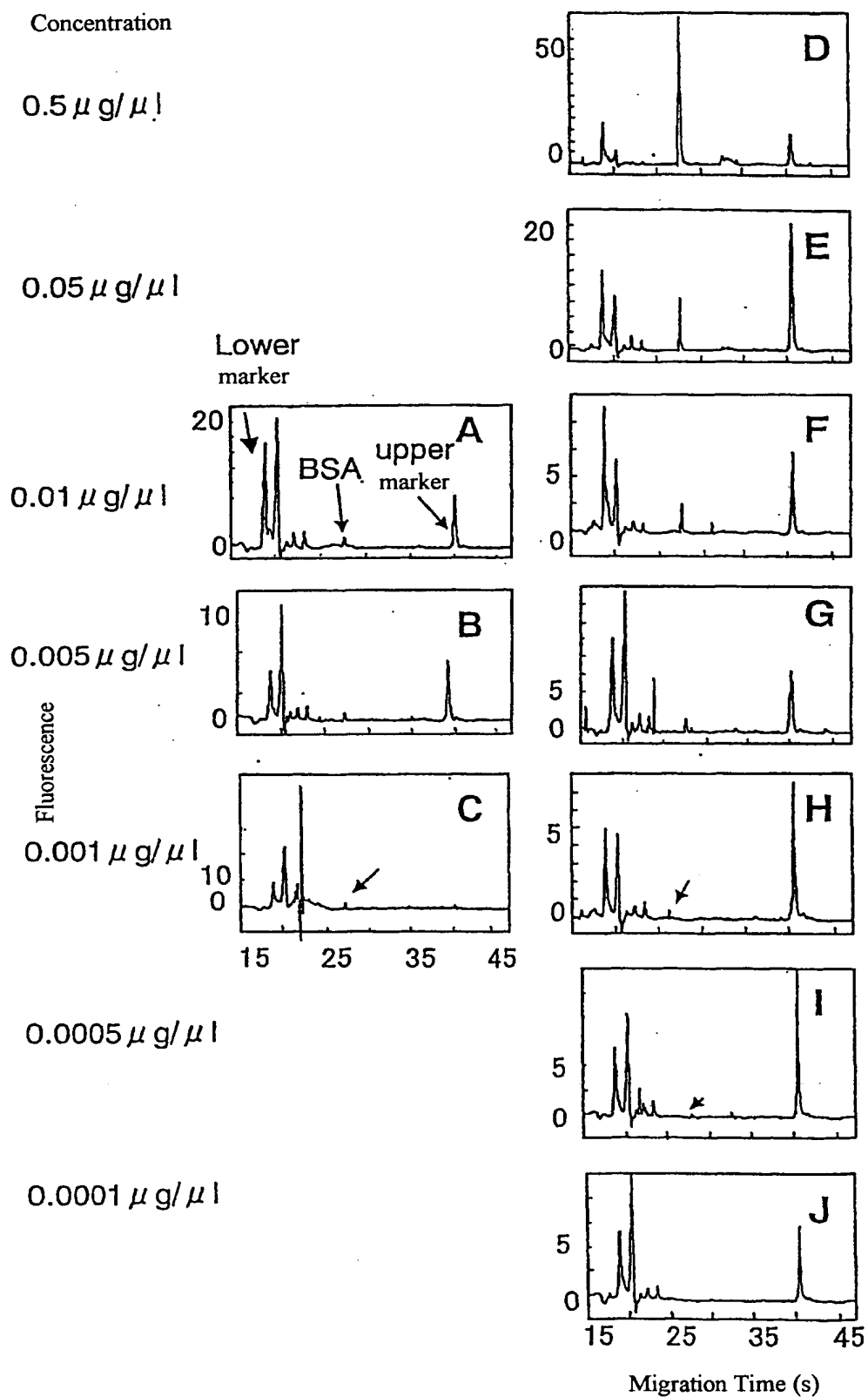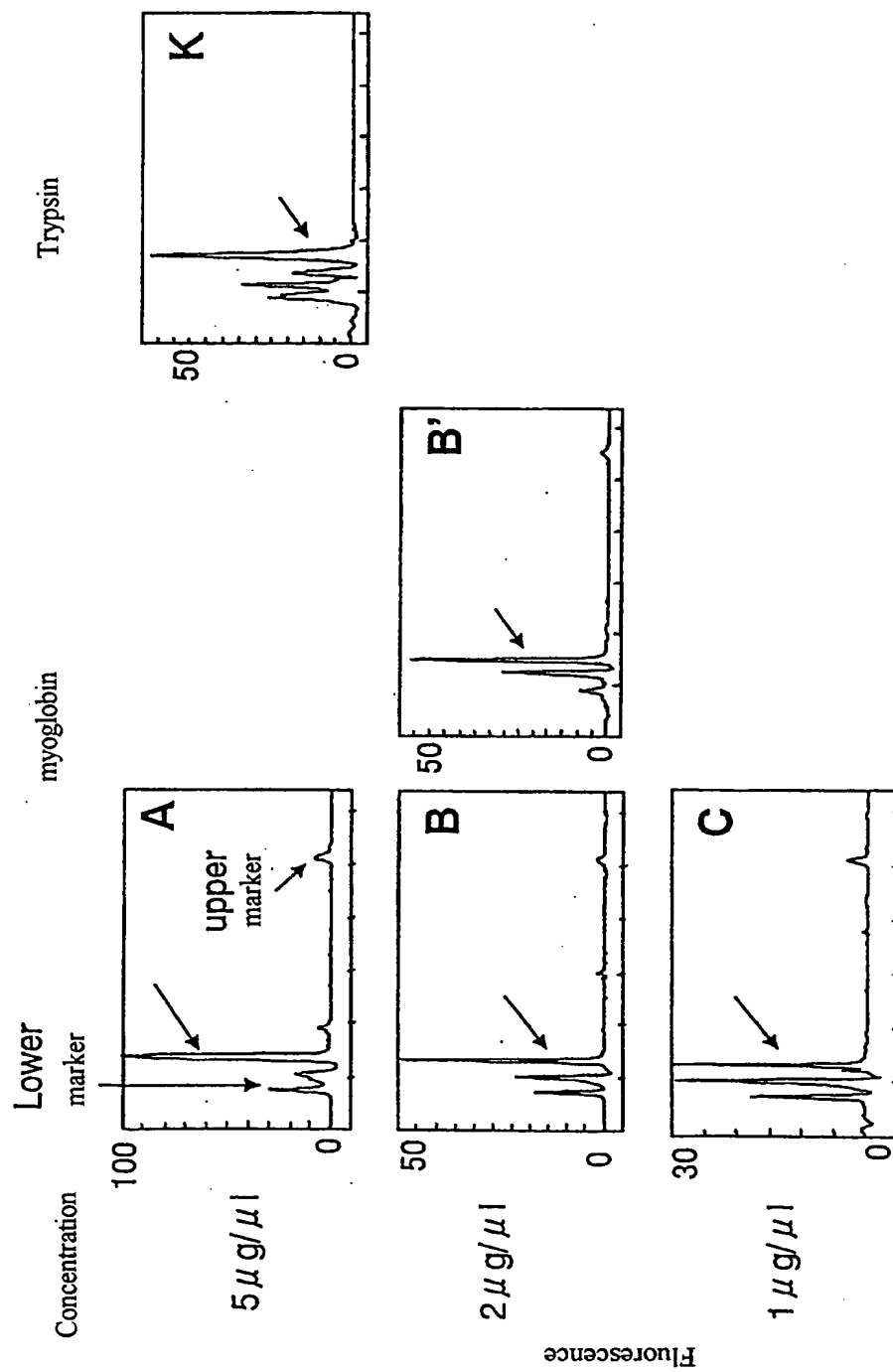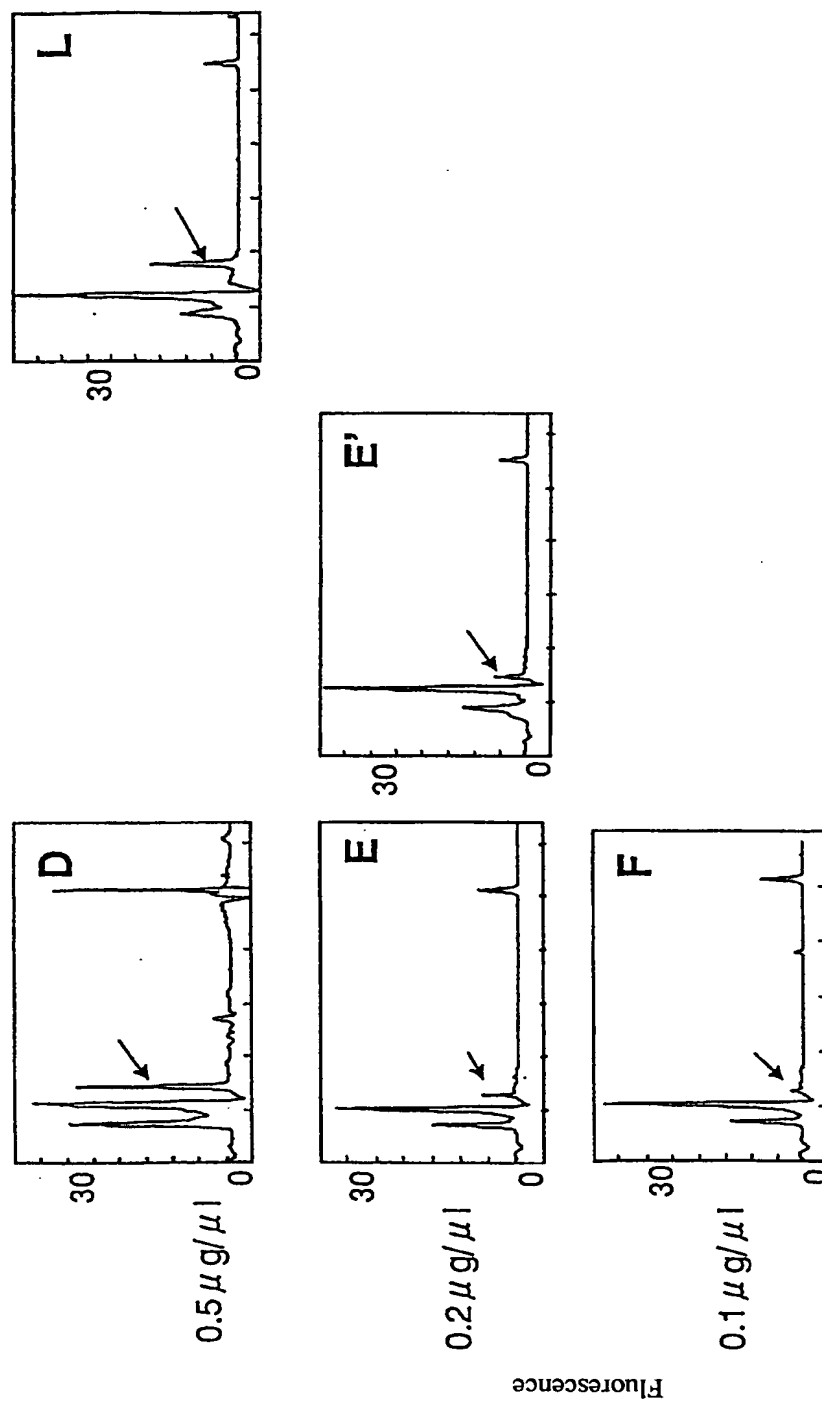
J

Migration Time (s)
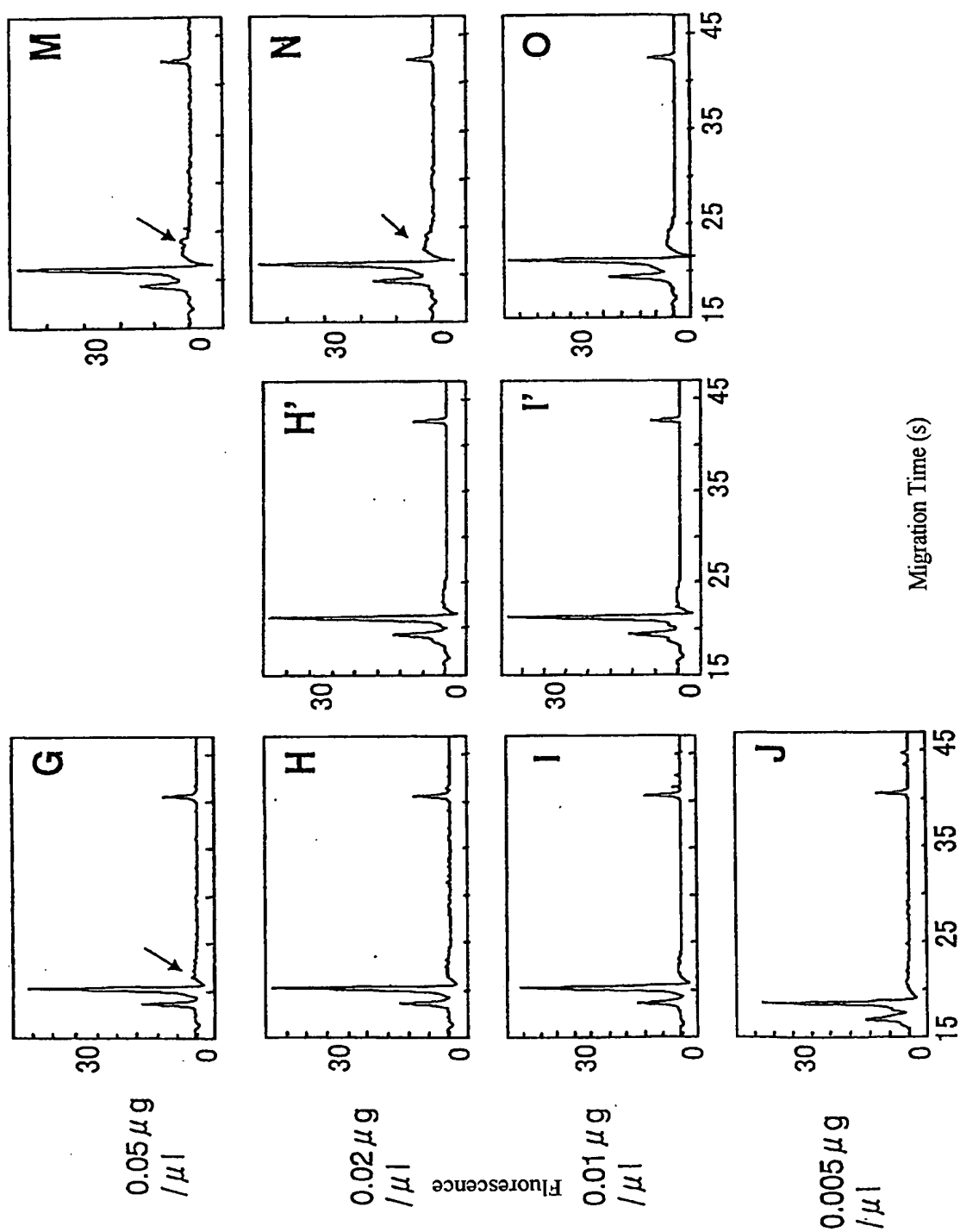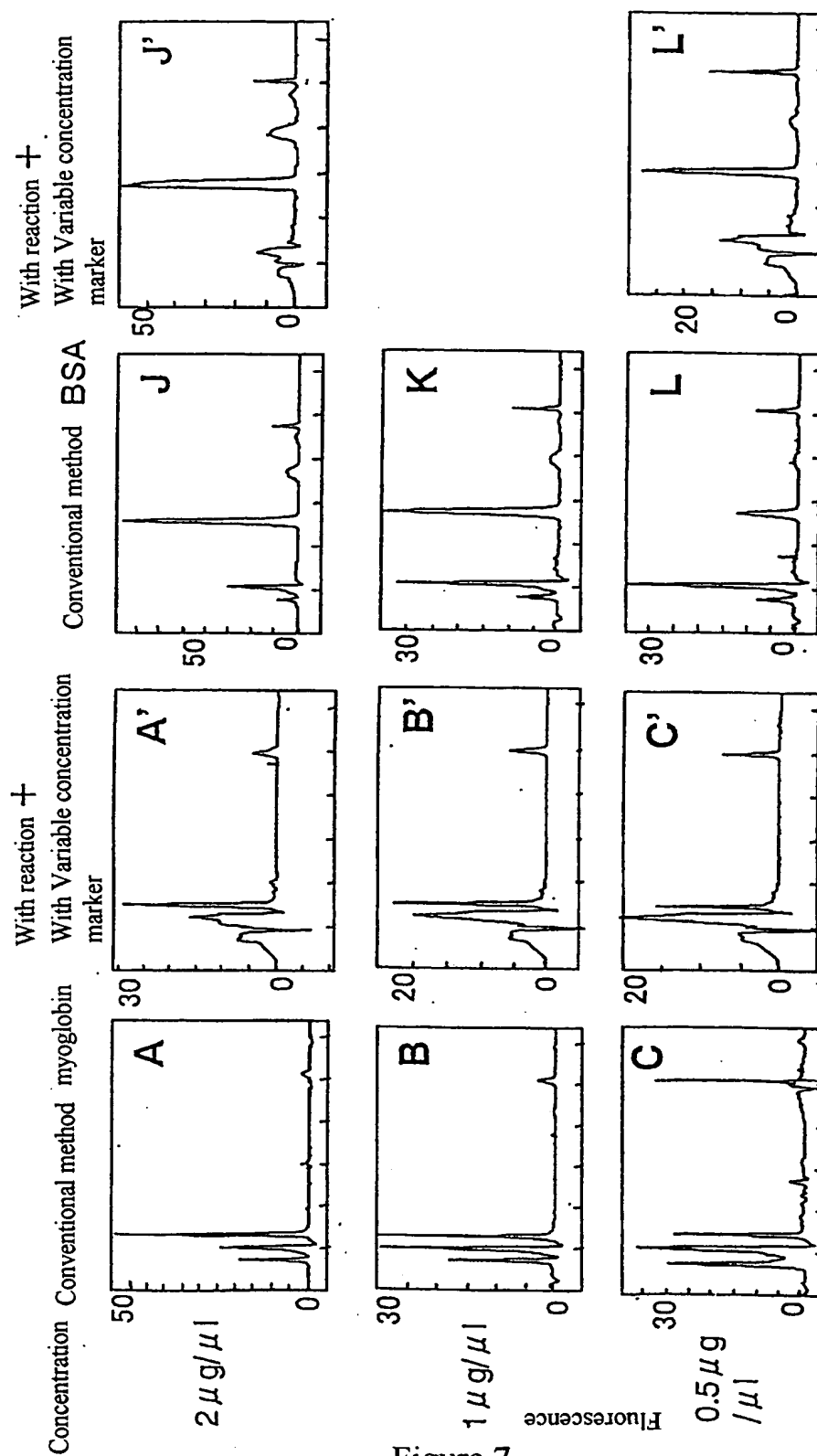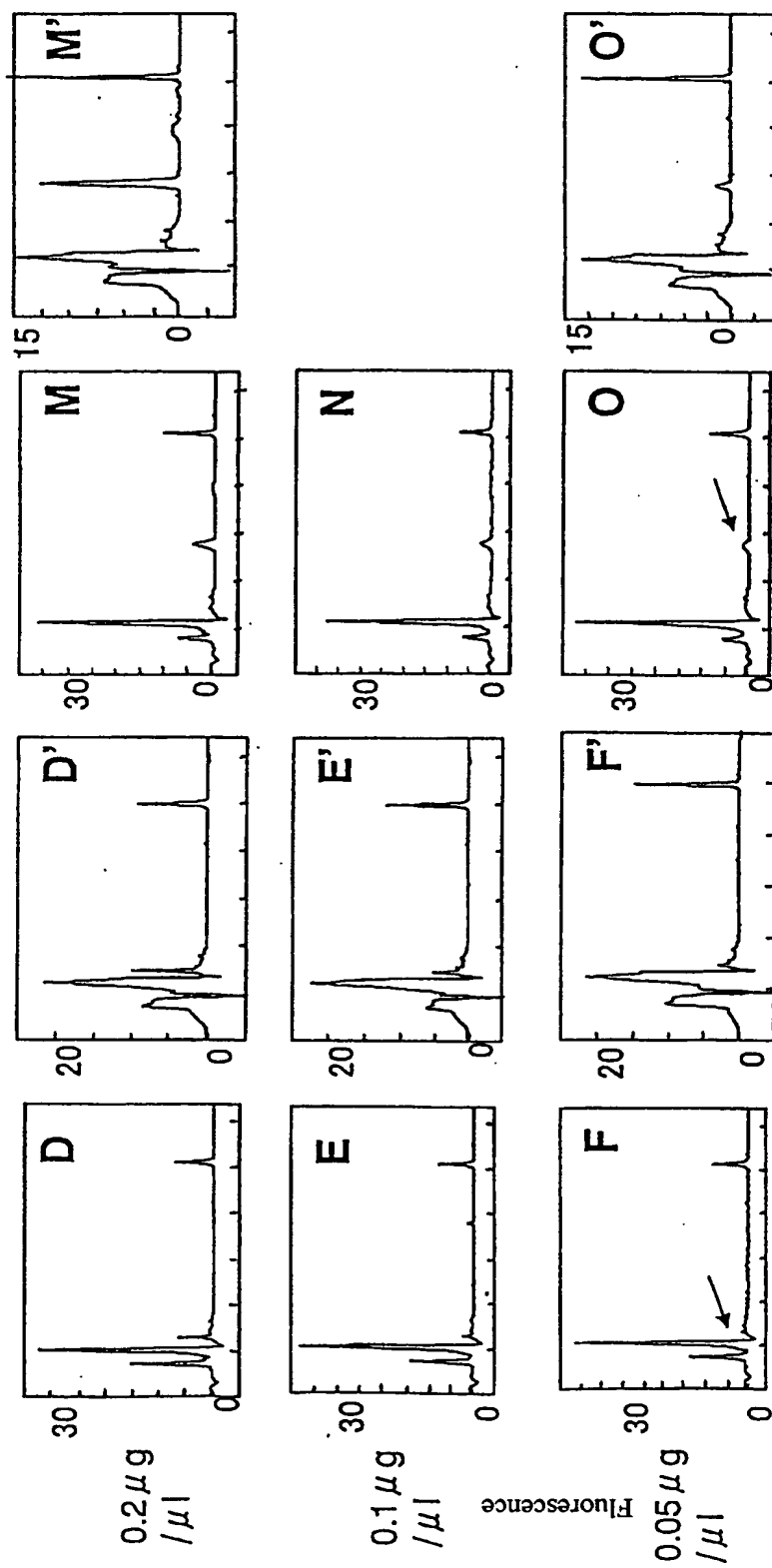
Figure 5

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Figure 6

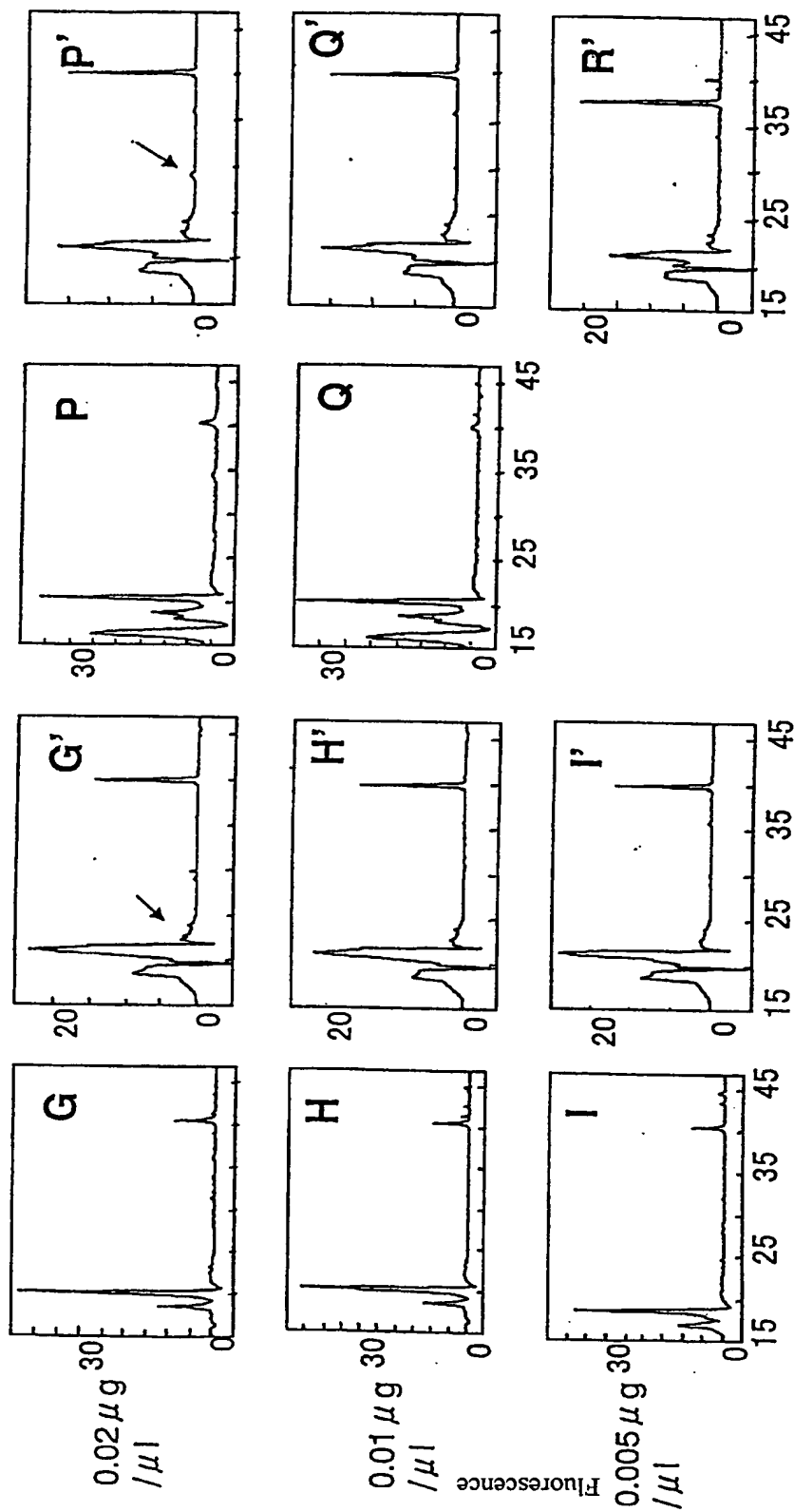Figure 6 continued

Figure 6 continued

Figure 7

Figure 7 continued

Figure 7 continued

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